

QUIZ No. 4

1. The Eccles-Jordon multivibrator requires:

- A neg pulse to complete a cycle
- A pos pulse to complete a cycle
- Two pulse to complete a cycle
- No pulses as it is free running

2. The most desireable waveform for synchronizing a multivibrator is a:

- Sine wave
- Pulse with a sharp trailing edge
- Pulse with a sharp leading edge
- Triangular pulse

3. The main advantage in using the waveform given in question 2 is:

- It is easy to generate
- Timing changes as pulse amplitude changes
- Timing does not change as pulse amplitude changes
- The leading edge of the waveform is unimportant

4. In the one-shot multivibrator, the maximum plate current of the normally conducting tube is:

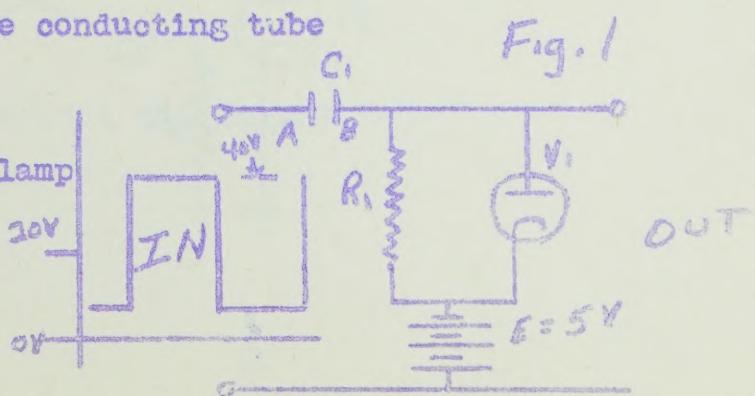
- Equal to the maximum plate current of the other tube
- Greater than the max plate current of the other tube
- Less than the max plate current of the other tube
- None of the above is correct

5. Multivibrator circuits which are to be synchronized require that the sync pulse be:

- Introduced into the cut-off tube
- Introduced into the conducting tube
- Negative, if coupled into the conducting tube
- Both b and c are correct

6. The circuit of Fig. 1 will clamp a wave:

- Positive to a negative 5 v
- Positive to a positive 5 v
- Negative to a negative 5 v
- Negative to a positive 5 v



QUIZ No. 4 (cont)

7. The capacitor in Fig. 1 will maintain a charge of about:

- 35v, A positive and B negative
- 45v, A positive and B negative
- 15v, A positive and B negative
- 35v, A negative and B positive

8. In Fig. 2, the approximate frequency of operation is determined by:

- R_1 and R_2
- R_3 and R_4
- C_1 and C_2
- R_1 , C_1 & R_2 , C_2

9. In fig. 2, the components in the discharge path of C_1 are:

- R_2 , C_2 & V_1
- R_1 , R_4 , B^+ , & the grid ckt of V_1
- R_1 & V_2
- V_1 , R_3 & R_4

10. In fig. 2, the charge path of C_2 includes:

- R_2 , grid ckt of V_2 , R_3 & B^+
- R_2 , & V_1
- R_4 , R_3 , V_1 & C_1
- V_1 , V_2 , R_4 & B^+

